RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

Source:

Date Processed by STIC:

ENTERED



TFWP

RAW SEQUENCE LISTING DATE: 06/14/2006
PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : E:\Soq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

```
3 <110> APPLICANT: Corfe and Chirakkal
     5 <120> TITLE OF INVENTION: Gene Screen
     7 <130> FILE REFERENCE: 75901-01
     9 <140> CURRENT APPLICATION NUMBER: US/10/581,702
C--> 9 <141> CURRENT FILING DATE: 2006-06-02
     9 <150> PRIOR APPLICATION NUMBER: PCT/GB2004/005078
    10 <151> PRIOR FILING DATE: 2004-12-03
    12 <150> PRIOR APPLICATION NUMBER: 0328048.4
    13 <151> PRIOR FILING DATE: 2003-12-04
    15 <160> NUMBER OF SEQ ID MOS: 202
    17 <170> SOFTWARE: PatentIn version 3.1
    19 <210> SEQ ID NO: 1
    20 <211> LENGTH: 1320
    21 <212> TYPE: DNA
    22 <213> ORGANISM: Homo sapiens
    24 <400> SEQUENCE: 1
    25 ccccctagcg tcgcgcaggg tcggggactg cgcgcggtgc caggccgggc gtgggcgaga
                                                                            60
    27 gcacgaacgg gctgctgcgg gctgagagcg tcgagctgtc accatgggtg atcacgcttg
                                                                            120
    29 gagetteeta aaggaettee tggeeggge ggtegeeget geegteteea agaeegeggt
                                                                            180
    31 cgcccccatc gagagggtca aactgctgct gcaggtccag catgccagca aacagatcag
                                                                           240
    33 tgctgagaag cagtacaaag ggatcattga ttgtgtggtg agaatcccta aggagcaggg
                                                                           300
    35 cttcctctcc ttctggaggg gtaacctggc caacgtgatc cgttacttcc ccacccaagc
                                                                           360
    37 tctcaacttc gccttcaagg acaagtacaa gcagctcttc ttagggggtg tggatcggca
                                                                            420
    39 taagcagttc tggcgctact ttgctggtaa cctggcgtcc ggtggggccg ctggggccac
                                                                            480
    41 ctccctttgc tttgtctacc cgctggactt tgctaggacc aggttggctg ctgatgtggg
                                                                            540
    43 caggegegee cagegtgagt tecatggtet gggegaetgt ateateaaga tetteaagte
                                                                            600
    45 tgatggcctg agggggctct accagggttt caacgtctct gtccaaggca tcattatcta
                                                                            660
     47 tagagetgee taetteggag tetatgatae tgecaagggg atgetgeetg accecaagaa
                                                                            720
    49 cgtgcacatt tttgtgagct ggatgattgc ccagagtgtg acggcagtcg cagggctgct
                                                                            780
     51 gtcctacccc tttgacactg ttcgtcgtag aatgatgatg cagtccggcc ggaaaggggc
                                                                            840
     53 cgatattatg tacacgggga cagttgactg ctggaggaag attgcaaaag acgaaggagc
                                                                            900
     55 caaggeette tteaaaggtg eetggteeaa tgtgetgaga ggeatgggeg gtgettttgt
                                                                            960
     57 attggtgttg tatgatgaga tcaaaaaata tgtctaatgt aattaaaaca caagttcaca
                                                                           1020
     59 gatttacatg aacttgatct acaagttcac agatccattg tgtggtttaa tagactattc
                                                                           1080
     61 ctaggggaag taaaaagatc tgggataaaa ccagactgaa aggaatacct cagaagagat
                                                                           1140
     63 getteattga gtgtteatta aaccaeacat gtattttgta tttattttae atttaaatte
                                                                           1200
     65 ccacagcaaa tagaaataat ttatcatact tgtacaatta actgaagaat tgataataac
                                                                           1260
     1320
     70 <210> SEQ ID NO: 2
    71 <211> LENGTH: 3109
    72 <212> TYPE: DNA
     73 <213> ORGANISM: Homo sapiens
```

75 <400> SEQUENCE: 2

5**8**7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/581,702

DATE: 06/14/2006 TIME: 10:47:46

Input Set : E:\Seq listing.app

•		76	cattggactt	cagcatgact	actcagttgc	cagcttacgt	ggcaattttg	cttttctatg	60
		78	tctcaagagc	cagctgccag	gacactttca	ttgcagctgt	ttatgagcat	gcagcgatat	120
		80	tgcccaatgc	caccctaaca	ccagtgtctc	gtgaggaggc	tttggcatta	atgaatcgga	180
		82	atctggacat	tttggaagga	gcgatcacat	cagcagcaga	tcagggtgcg	catattattg	240
		84	tgactccaga	agatgctatt	tatggctgga	acttcaacag	ggactctctc	tacccatatt	300
					gaagtaaact				360
	,*a			_	agactcagct				420
	٠,				aagccatgcg				480
					gatgtggtat				540
					atgggtgaaa				600
					tttggaagtt				660
					ttggtgaaag				720
			-					gcttgggcta	780
								g aaaatgacag	840
								aagacagaag	900
								gtggtgaact	960
								tttaaaggca	1020
									1080
								a aattatacag	
•								ataccaaatg	1200
								tattatctac	1260
								gactcagctg	1320
			_					acccagtatg	
								caggtgtcaa	1380
								gtaactctgt	1440
								acagcacaag	1500
								: tggtagaata	1560
								g aaaagaaaga	1620
								: tttatttaga	1680
								g tagattttat	1740
								atcaaataag	1800
								: aagaactatc	1860
								acgtatcact	1920
		140	tattcagcto	: tgctgaaaat	ttccaatgac	: tttgtttgtt	tgctctttta	gttttttacc	1980
								ttacatgttg	2040
		144	aagcacctca	ı gaatgtgact	gtatttggag	, acagggtctt	: taaagaggta	a aaataaggtc	2100
		146	attaggatag	, accctaatto	: aatatgactg	, atgatcataa	a aagaagaggo	gagtagggca	2160
								: ttacaagcta	2220
		150	agaagagagg	gcctcagaag	aaaccaacco	tgccaacac	c ttgatcttgg	g acttccagcc	2280
		152	tccaaaacta	ı tgagaaataa	atttctattc	, tttaagtca	c ccagtccate	g gtactttgtt	2340
		154	aggcagccct	ggcaaatgaa	tcaaagacco	attcctgttc	c ctctccccac	c cactactgtt	2400
		156	ttctactgta	atctgaagct	tcaacaaaag	gettacetge	g taagaatatt	cagctggtct	2460
								tgatagtgaa	2520
		160	accattagat	cattgaatto	ctctggaatt	agaaaacca	g agagtcccat	tttaagaaat	2580
								cttgacatta	2640
								tgatagactc	2700
								a taacagccat	2760
								agtgatctat	2820
								ctaaaaagta	2880
								a cattaactga	2940
							222-23-		

RAW SEQUENCE LISTING DATE: 06/14/2006 PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : E:\Seq listing.app

	174	catttgcttt ttttcaagac	ctaatagaaa	ataagaaagc	ccataatgta	tttagaaaca	3000	
	176	ggaatcctca gagcaattct	ctgtattctc	atataatttc	aatgtaaaac	agaaaacata	3060	
	178	ttgatgtgtt ggtgataggc	ttgaattatt	aaaaacttca	aaaacaaaa		3109	
	181	<210> SEQ ID NO: 3						
	182	<211> LENGTH: 1469						
	183	<212> TYPE: DNA						
	184	<213> ORGANISM: Homo s	sapiens			-		
	186	<400> SEQUENCE: 3		6,1 ·			•	
	187	ggctgggcct gcctcggacg	ccgccggtgt	cgcggattct	ctttccgccc	gctccatggc	60	
	189	ggtggatgcc tgactggaag	cccgagtggg	atgcggctga	cgcggaagcg	gctctgctcg	120	
	191	tttcttatcg ccctgtactg	cctattctcc	ctctacgctg	cctaccacgt	cttcttcggg	180	
	193	cgccgccgcc aggcgccggc	cgggtccccg	cggggcctca	ggaagggggc	ggcccccgcg	240	
	195	cgggagagac gcggccgaga	acagtccact	ttggaaagtg	aagaatggaa	tccttgggaa	300	
	197	ggagatgaaa aaaatgagca	acaacacaga	tttaaaacta	gccttcaaat	attagataaa	360	
	199	tccacgaaag gaaaaacaga	tctcagtgta	caaatctggg	gcaaagctgc	cattggcttg	420	
	201	tatctctggg agcatatttt	tgaaggctta	cttgatccca	gcgatgtgac	tgctcaatgg	480	
	203	agagaaggaa agtcaatcgt	aggaagaaca	cagtacagct	tcatcactgg	tccagctgta	540	
		ataccagggt acttctccgt					600	
•	207	aaagcaaaga tettttatge	gacccagtgg	ttactttatg	cacaaaattt	agtgcaaatt	6,60	, ig
	209	caaaaactcc agcatcttgc	tgttgttttg	ctcggaaatg	aacattgtga	taatgagtgg	720	
		ataaacccat tcctcaaaag					780	
	213	agcccctgga ttaatgacgt	ggatgttttt	cagtggcctt	taggagtagc	aacatacagg	840	
	215	aattttcctg tggtggaggc	aagttggtca	atgctgcatg	atgagaggcc	atatttatgt	900	
		aatttcttag gaacgattta					960	
		aaagatggga acgataagct					1020	
		acaaatgaaa gtcttaagaa					1080	
		ccggtcggag taaacacaga			_		1140	
		cctgtggtgg aagacgtgat					1200	
		gctcctctgc agttactcaa					1260	
		gaactccctg ctgttttaga					1320	
		agaaaaatgt tacttcagtg					1380	
		aatattttag aaagctcatt		aataaaagtt	aattatcttt	ttgagctaaa	1440	
		aaaaaaaaa aaaaaaaaa	aaaaaaaa			•	1469	
		<210> SEQ ID NO: 4						
		<211> LENGTH: 1840						
		<212> TYPE: DNA						
		<213> ORGANISM: Homo s	sapiens					
		<400> SEQUENCE: 4						
		cccaggatgg aggagcccca					60	
		aactttaccg cgaagccccc					120	
		ggtccagata cggagctgtg					180	
		aatgggcggc atgtgcctct					240	
		cggcaccgct atcgagtcct					300	
		ccctcaacgg aggcaggagg					360	
		atccttgagg gtccccagca					420	
		ccccaccac agatccctcc					480	•
		ccagtcacag ggcctaggtc					540	
		aaggagatgc aggtgacaga					600	
	264	ctggaggtgg acatggcttt	ggggtcgcca	gaaatggatg	tgcggaagaa	gaagaagaaa	660	

RAW SEQUENCE LISTING DATE: 06/14/2006
PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : E:\Seq listing.app

266	aaaaatcagc agctgaaaga	accagaggca	gcagggcctg	tggggacaga	gcccacagtg	720
_/ 268	gagacactgg agcctctggg	agtgctgttc	ccgtccacca	ccaagaagag	gaagaagccc	780
270	aaagggaaag aaaccttcga	gccagaagac	aagacagtga	agcaggaaca	gattaacact	840
272	gagcctctag aagacacagt	cctgtccccg	accaaaaaga	gaaagaggca	aaaggggacg	900
274	gaagggatgg agccagagga	gggggtgaca	gttgagtctc	agccacaggt	gaaggtggag	960
	ccactggagg aagccatccc					1020
	atggcaatga tggagccagg					1080
	ctggagtccc caggggggac					1140
	caggcagete tggcagetee					1200
	gtggagccag agacagaggt					1260
	gctcccacat ccaccaagaa					1320
	ccaattcagc cactagagcc					1380
	ccgggatcca ccaagaagag					1440
	ccccaagagg agatgccagg					1500
	ggccgggaca agaagcggaa					1560
	ctgaggaact aaagaaagct					1620
	aatcctccc cagagactgc					1680
	tattattaca ctgggggttt					1740
	tegtgeagga cateaaacag					1800-
	gtcattaaag gagctgtttc			7.7		1840
	<210> SEQ ID NO: 5					
	<211> LENGTH: 1042					
309	<212> TYPE: DNA					
	<213> ORGANISM: Homo s	sapiens				
	<400> SEQUENCE: 5	_				
313	tttcctcact gactataaaa	gaatagagaa	ggaagggctt	cagtgaccgg	ctgcctggct	60
	gacttacage agtcagacte					120
	agcctgggac agacctgcgt					180
	gtggctgtaa cttacgtgta					240
	aaaagtggca ttgcttgttt					300
	gagagtatga acagcccctg					360
	atgattttga gaacctctga					420
	tctcccctag tgagagaaag					480
329	ggaagaagca acacattgtc	ttctccaaac	tccaagaatg	aaaaggctct	gggccgcaaa	540
331	ataaactcct gggaatcatc	aaggagtggg	cattcattcc	tgagcaactt	gcacttgagg	600
333	aatggtgaac tggtcatcca	tgaaaaaggg	ttttactaca	tctattccca	aacatacttt	660
335	cgatttcagg aggaaataaa	agaaaacaca	aagaacgaca	aacaaatggt	ccaatatatt	720
337	tacaaataca caagttatcc	tgaccctata	ttgttgatga	aaagtgctag	aaatagttgt	780
339	tggtctaaag atgcagaata	tggactctat	tccatctatc	aagggggaat	atttgagctt	840
341	aaggaaaatg acagaatttt	tgtttctgta	acaaatgagc	acttgataga	catggaccat	900
343	gaagccagtt ttttcggggc	ctttttagtt	ggctaactga	cctggaaaga	aaaagcaata	960
	acctcaaagt gactattcag					1020
347	gaccaaaaca aacaaacaga	aa	4	,		1042
350	<210> SEQ ID NO: 6					
351	<211> LENGTH: 1588					
352	<212> TYPE: DNA					
353	<213> ORGANISM: Homo s	sapiens				
355	<400> SEQUENCE: 6					
356	gtaaactttg cctgtaggag	gactgatctc	ttaatgaaat	acagaaaaac	catctcagaa	60
			_			

RAW SEQUENCE LISTING DATE: 06/14/2006 PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : E:\Seq listing.app

					•		
358	aaaggaaaat	gggcaatcgt	catagccagt	cgtacaccct	ctcagaaggc	agtcaacagt	120
360	tgcctaaagg	ggactcccaa	ccctcgacag	tcgtgcagcc	tctcagccac	ccatcacgga	180
362	atggagagcc	agaggcccca	cagcctgcta	aagcgagcag	tcctcagggt	tttgatgtgg	240
364	atcgagatgc	caaaaagctg	aacaaagcct	gcaaaggaat	ggggaccaat	gaagcagcca	300
366	tcattgaaat	cttatcgggc	aggacatcag	atgagaggca	acaaatcaag	caaaagtaca	360
368	aggcaacgta	cggcaaggag	ctggaggaag	tactcaagag	tgagctgagt	ggaaacttcg	420
370	agaagacagc	gttggccctt	ctggaccgtc	ccagcgagța	cgccgcccgg	cagctgcaga :	480
372	aggctatgaa	gggtctgggc	acagatgagt	ccgtcctcat	tgaggtcctg	tgcacgagga	540
374	ccaataagga	aatcatcgcc	attaaagagg	cctaccaaag	gctatttgat	aggagcctcg	600
376	aatcagatgt	caaaggtgat	acaagtggaa	acctaaaaaa	aatcctggtg	tctctgctgc	660
378	aggctaatcg	caatgaagga	gatgacgtgg	acaaagatct	agctggtcag	gatgccaaag	720
380	atctgtatga	tgcaggggaa	ggccgctggg	gcactgatga	gcttgcgttc	aatgaagtcc	780
382	tggccaagag.	gagctacaag	cagttacgag	ccacctttca	agcctatcaa	attctcattg	840
384	gcaaagacat	agaagaagcc	attgaagaag	aaacatcagg	cgacttgcag	aaggcctatt	900
386	taactctcgt	gagatgtgcc	caggattgtg	aggactattt	tgctgaacgt	ctgtacaagt	960
388	cgatgaaggg	tgcggggacc	gatgaggaga	cgttgattcg	catagtcgtg	accagggccg	1020
390	aggtggacct	tcaggggatc	aaagcaaagt	tccaagagaa	gtatcagaag	tctctctctg	1080
		ctcagatacc					1140
394	gagccaagcc	agggckabag	gaacacaggg	tggaaccacc	tttgtcaaga	gcacattcca.	/1300
396	aatcaaactt	gcaaatgaga	ctcccgcacg	aaaaccctta	agagtcccgg	attactttct	1260 *
398	tggcagctta	agtggcgcag	ccaggccaag	ctgtgtaagt	taagggcagt	aacgttaaga	1320
400	tgcgtgggca	gggcaccttg	aactctggct	tagcaagcat	ctaggctgcc	tcttcacttt	. 1380
402	cttttagcat	ggtaactgga	tgttttctaa	acactaatga	aatcagcagt	tgatgaaaaa	1440
		tgtaatggca					1500
406	agacaaaatt	aaacaattta	ttaattttcc	ttctgtgtgt	tcaatttgaa	agcctcattg	1560
408	ttaattaaag	ttgtggatta	tgcctcta				1588
411	<210> SEQ 1	ID NO: 7					
	<211> LENGT						
	<212> TYPE:				÷		
414	<213> ORGAN	NISM: Homo s	sapiens				
	<400> SEQUE						
		cagccatgaa					60
		gtaacactgg					120
		gcaccaagat					180
		tgttatgttt					240
		gctgagaacc					300
		ttgaataaat	gtatctgaat	atcaaaaaaa	aaaaaaaaa	aaaaaaaaa	360
429							362
	<210> SEQ 1						
	<211> LENG						
	<212> TYPE:		_				
		NISM: Homo s	sapiens				
	<400> SEQUE				_		
		cgcagcctgc					60
		accatgctgc					120
		gtctcttaca					180
		agaagttgag					240
		tgaataaaat	_	-			300
448	agggactacg	cttcagagag	ccccgctgac	gaagaggagc	agtggtccga	tgactttgac	360

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/14/2006
PATENT APPLICATION: US/10/581,702 TIME: 10:47:47

Input Set : E:\Seq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:33; N Pos. 57,58,59,60,61
                                               AND TO SERVE STATE OF THE
 _Seg#:34; N Pos. 1533,1534.
  Seq#:57; N Pos. 57,58,59,60,61
  Seq#:69; N Pos. 38,506,536,566
  Seq#:81; N Pos. 7240
  Seq#:82; N Pos. 1,139,272,274,389,397
  Seq#:89; N Pos. 500,885,1090,1098,1127,1130,1150
  Seq#:91; N Pos. 510
  Seq#:97; N Pos. 422,429,431,435,447,468,477
  Seq#:116; N Pos. 32,138,146,212,233,239,310,312,328
  Seq#:123; N Pos. 422,429,431,435,447,468,477
  Seq#:132; N Pos. 593
  Seq#:145; N Pos. 2,7,22,37,217,246,332,415,418,422,427,431,433,451,452,454
ar Seq#:145; N. Pos. 456,465,469,472,491,504,505,508,531,524,525,543,546,558
  Seq#:145; N Pos. 559,560,572,576,581,582,590,595,600,601,603,606,612,621
  Seq#:145; N Pos. 628,632,652
  Seq#:155; N Pos. 340,366,384,394,410,419
  Seq#:157; N Pos. 459
  Seq#:158; N Pos. 362
  Seq#:159; N Pos. 945
  Seq#:181; N Pos. 465,510,522,559
  Seq#:183; N Pos. 543,580,584,604,608,615,636,640,646,697,926
  Seq#:193; N Pos. 4125,4197,4198,4199,4200,4211,4234,4235,4236,4238,11593
  Seq#:193; N Pos. 11595,11934,11937,13976
  Seq#:195; N Pos. 447,535,559,570
```

VERIFICATION SUMMARY DATE: 06/14/2006 PATENT APPLICATION: US/10/581,702 TIME: 10:47:47

Input Set : E:\Seq listing.app

```
L:9 M:270 C: Current Application Number differs, Replaced Current Application No
  L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
  L:2355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
 L:2357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
 L:2484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:1500
 L:4723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
 L:4725 M:341 W: (45) "n" or "Xaa" used, for SEQ ID#:57 after pos.:60
L:5561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0
 L:5577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:480
 L:5579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:540
 L:6687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:7200
  L:6892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:6892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:6896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:120
L:6900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:240
L:6904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:360
L:7357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:480
L:7369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:840
L:7377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1080
L:7379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1140 ...
L:7453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:480
L:7809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:420
 L:7809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:420
 L:9220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0
 L:9224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:120
 L:9226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:180
 L:9230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:300
 L:9869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:420
 L:10510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:540
 L:11549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0
 L:11555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:180
 L:11557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:240
  L:11559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:300
  L:11561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:360
 L:11561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:360
L:11563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:420
L:11565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:480
L:11567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:540
L:11569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:600
L:12205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:300
L:12207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:360
L:12287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:420
 L:12316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:360
 L:12389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:900
 L:13793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:420
 L:13795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:480
 L:13797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:540
 L:13963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:540
 L:13965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:600
  L:13967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:660
  L:13975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:900
```

VERIFICATION SUMMARYPATENT APPLICATION: **US/10/581,702**DATE: 06/14/2006 TIME: 10:47:47

Input Set: E:\Seq listing.app
Output Set: N:\CRF4\06142006\J581702.raw

```
L:14803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4080
L:14805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4140
L:14807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4200
L:15053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:11580
L:15063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:11880
L:15131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:13920
L:15313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:420
L:15315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:480
L:15317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:540
```

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS
M IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
✓ FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
☐ LINES OR MARKS ON ORIGINAL DOCUMENT
☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
□ other:

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.